

甘肃藁本属一新种*

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A NEW SPECIES OF *LIGUSTICUM* L. (UMBELLIFERAE) FROM GANSU, CHINA

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关键词 藁本属; 串珠藁本

串珠藁本 新种 图1

***Ligusticum moniliforme* Z. X. Peng et B. Y. Zhang, sp. nov.**

Haec species *L. filifolio* Shan et Pu primo aspectu valde similis, sed rhizomate moniliformi, foliis heteromorphis, jugis primariis mericarpiorum perspicue alatis, vittis ad valleculas singularibus.

Herba perennis 40—105 cm alta. Rhizoma moniliforme, internodiis gracilibus plerumque elongatis ac nodis dilatatis; nodi vulgo 2—10, tuberculiformes subglobosi vel ellipsoidei, 0.5—3 cm in diam, rugosi, radicibus fibrosis gracilibus sparsis, irregulariter sulcati, aliquot umbonati; umbone gemmato. Plantulae 1—7 e nodo exeuntes, sed vulgo tantum 1 raro 2 plene evolute excretae. Caulis glaber, nodis leviter incrassatis ornatus, simplex vel supra medium 1—3-ramosus. Folia heteromorpha; radicalia imparipinnata, 1—2 caule primigeniora nodo tuberculiformi insidentia, cito decidua; petioli graciles, 2—4 cm longi, evaginati; lamina ambitu ovato-oblonga, 4—6 cm longa, 2.5—3.5 cm lata; foliola 2—3-juga ovata, sessilia vel inferne brevipetiolulata, terminalia 3-partita, lateralia irregulariter pinnatilobata vel pinnatipartita; lobis vel segmentis omnibus denuo lobatis, apice obtusis; folia

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caulina vaginis inflatis c. 3 cm longis praedita, inferiora saepe caduca, 2—9 cm petiolata; petiolis 9—2 cm longis, versus apicem sensim brevibus, superiora sessilia; lamina ambitu deltoidea bis vel ter pinnatisecta, laciniis linearibus vel lanceolatis instructa, inferior major, 8—11 cm longa et lata, pinnis 3—6-jugis semel vel bis laciniatis, laciniis ultimis 8—10 mm longis, 1.5—2 mm latis, apice acuminatis, superior minor, laciniis ultimis usque 10—16 mm longis, 1—1.5 mm latis. Umbellae compositae apice caulium ramorumque terminantes, basi dense albo-hispidulae, pedunculis saepe 9—19 cm longis ornatae, interdum sessiles, involucretae vel plerumque haud involucretae; involucri phylla 1—2, linearia, (1.5—) 2—2.5 cm longa, 0.3—0.5 mm lata, versus apicem sensim attenuata, viridia vel fulvo-purpurea, nonnunquam lanceolata, 3 cm vel ultra longa, 1—1.2 mm lata; radii (9—) 15—25, 1.3—2.5 cm longi, seriatim albo-hispiduli; involucelli phylla 9—12 vel plura, phyllis involucri confirmia et concoloria 1—1.5 cm longa, c. 0.2 mm lata, pluries unum aliud lanceolatum, 2—2.5 cm longum, c. 0.4 mm latum; umbellulae 20—37-florae flores pedicellis 4—6 mm longis, albo-puberulis ornati; dentes calycis minimi, vix 0.1 mm longi; petala alba vel extus purpurata; obovata, basi cuneata, apice subito contracta, ligulas formentia atque illic inflexa; staminia filamentis albis antherisque atro-purpureis praedita; stylopodium conicum; styli saepe plus minusve recurvi. Fructus plerumque aegre maturi; mericarpia matura obovato-oblonga, c. 4 mm longa et 2 mm lata, leviter dorsi-ventraliter compressa; jugis primariis manifeste alatis; alae laterales circiter duplo latiores quam dorsales, c. 0.6 mm latae, immatura leviter a lateribus compressa, 5 alis subaequalibus angustis praedita; vittae ad vallecullas singulares, ad commissuram 4; endospermium ad commissuram planum. Floret Augusto-initio Septembris, fructificat medio Septembris.

Gansu (甘肃): Weiyuan (渭源), Yangzhuang (杨庄), near the village Banyinpo (半阴坡村附近), alt. 2500 m., in field, 1992-08-04, B. Y. Zhang (张炳炎) 92041; Tianji-ahé (田家河), near the village lannigou (烂泥沟村附近), alt. 2300 m., on borders of field, 1993-09-18, B. Y. Zhang (张炳炎) 93060 (Type, LZU).

多年生草本,高40—105 cm。根茎串珠状,节间纤细、大多伸长,节常2—10个,膨大,块茎状,近球形或椭圆形,直径0.5—3 cm,皱而不平,有稀疏纤细须根,具不规则沟洼与一些突起,突起有顶生芽;幼苗1—7自一块茎状节上生出,但通常仅其中1至2枚充分发育长大。茎无毛,有略膨大的节,不分枝或于中部以上具1—3个分枝。叶异形;基生者为羽状复叶,1—2枚先于茎由块茎状节上生出,早枯;叶柄纤细,长2—4 cm;无叶鞘;叶片轮廓为卵状长圆形,长4—6 cm,宽2.5—3.5 cm;小叶2—3对,卵形,无柄或下部者有短柄;顶生小叶3深裂,侧生小叶不规则羽状浅裂或深裂;全部裂片再裂,末回裂片先端钝;茎生叶具膨大的叶鞘,叶鞘长约3 cm;下部叶通常早落,柄长9—2 cm,向上渐短,最上部者无柄;叶片轮廓三角形,2或3回羽状全裂,裂片线形或披针形;下部叶片大,长约与宽相等,下部宽8—11 cm,具1—2回条裂的羽片3—6对,末回裂片长8—10 mm,宽1.5—2 mm,先端渐尖;上部叶较小,末回裂片长达10—16 mm,宽1—1.5 mm。复伞形花序生茎和分枝的顶端,基部密被白色短硬毛,总花梗通常长9—19 cm,偶而无梗;有总苞,或大多不存在;总苞片1—2枚,线

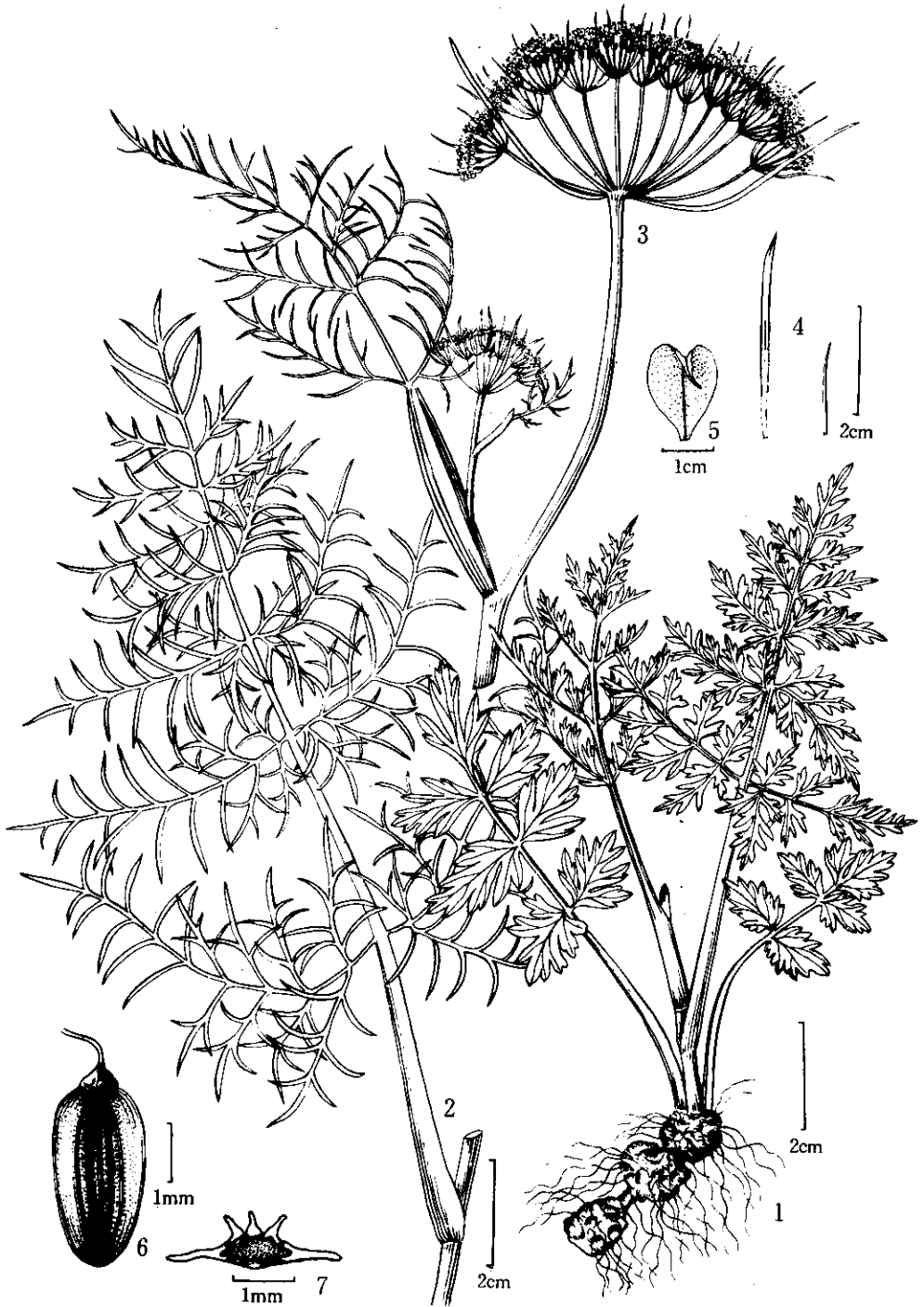


图1 串珠囊本 1. 幼苗; 2. 中部叶; 3. 花序及最上部叶; 4. 总苞片及小总苞片; 5. 花瓣;
6. 分果升; 7. 分果升横剖面。(陶明琴绘)

Fig. 1 *Ligusticum moniliforme* 1. plantlet; 2. leaf of middle part of the stem; 3. inflorescens and the uppermost leaf;
4. involucre bract and involucre bractlet; 5. petal; 6. mericarp; 7. transverse section of mericarp.

形,长(1.5—)2—2.5 cm,宽0.3—0.5 mm,向先端渐狭细,绿色或褐紫色,有时披针形,长3 cm 或更长,宽1—1.2 mm;伞幅(9—)15—25枚,长1.3—2.5 cm,被成列的白色短硬毛;小总苞片9—12或更多,与总苞片同形,同色,长1—1.5 cm,宽约0.2 mm,往往另有1枚披针形,长2—2.5 cm,宽约0.4 mm;小伞形花序有20—37花,具长4—6 mm、被白色微柔毛之花梗;萼齿甚小,长不足0.1 mm;花瓣白色或外面带紫色,倒卵形,基部楔形,先端骤狭成舌片,且从该处内折,弯折处背部凹缺状;雄蕊有白色花丝和黑紫色花药;花柱基圆锥状;花柱通常多少外弯。果实大多很难成熟;成熟分果片倒卵状长圆形,长约4 mm,宽2 mm,多少背腹扁压,主棱明显具翅;侧翅2倍宽于背翅,宽约0.6 mm;未成熟的果片稍微两侧扁压,有5个近等宽的狭翅;油管每棱槽中单生,合生面4枚;胚乳腹面平直。花期8—9月初。果期9月中旬。

本种乍看与 *L. filifolium* Shan et Pu 颇为相似,区别在于有串珠状根茎,叶二型,分果片主棱有明显的翅,油管在棱槽间单生。

药材江香薷的原植物——石香薷一新变种

THE ORIGIN OF THE CHINESE DRUG JIANG XIANG RU——A NEW VARIETY OF *MOSLA CHINENSIS* MAXIM.

江西香薷 新变种

Mosla chinensis Maxim. var. *kiangsiensis* G. P. Zhu et J. L. Shi, var. nov.

A var. *chinensi* differt plantis altioribus, caulibus dense incanis, foliis late lanceolatis vel lanceolatis, margine evidentis dentatis, bracteis late obovatis, lobis calycum triangulari-lanceolatis, tubo corollae prope basin circulo piloso ornato, nuculis subovoideis, glandaceis, in superficie reticulis instructis, areolis recavis.

Jiangxi (江西): Fenyi (分宜), alt. 150 m, 1988-07-20, G. P. Zhu (朱甘培) 88002 (holotype, BCMM).

与石香薷主要区别在于本变种植株高大25—66 cm,茎密被灰白色卷曲柔毛;叶片广披针形至披针形,长1—7.5 cm,宽3—13 mm,叶缘具明显的锐锯齿;苞片倒宽卵形;花萼裂片三角状披针形;冠筒基部具毛环;小坚果近卵圆形,黄棕色,表面具浅雕纹,网眼内平坦。而原变种植株较矮;茎被逆生柔毛;叶片线形至线状披针形,叶缘具疏而不明显的浅锯齿;苞片卵圆形;花萼裂片钻形;冠筒内基部无毛环;小坚果近球形,褐色,表面具深雕纹,网眼内不平坦。

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